

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE  
(DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER		
TYOS127328		
U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5)		
INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	EARLIEST PRIORITY DATE CLAIMED
PCT/JP2004/015458	October 13, 2004	October 14, 2003
TITLE OF INVENTION		
PROCESS FOR PRODUCING METAL NANOPARTICLE COMPOSITE FILM		
APPLICANT(S) FOR DO/EO/US		
Satoshi Tomita, Hidem Nawafune, and Kensuke Akamatsu		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

- 1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
- 2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 37 U.S.C. 371.
- 3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
- 4. The US has been elected (Article 31).
- 5. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. is attached hereto (required only if not communicated by the International Bureau).
  - b. has been communicated by the International Bureau.
  - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
- 6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).

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7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
- a. are attached hereto (required only if not communicated by the International Bureau).
- b. have been communicated by the International Bureau.
- c. have not been made; however, the time limit for making such amendments has NOT expired.
- d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
13. A preliminary amendment. Please enter the Preliminary Amendment prior to calculation of the filing fee. The "Amendments to the Claims" section adds 2 additional pages to the application, bringing the total number of pages to 39.
14. An Application Data Sheet under 37 C.F.R. 1.76.
15. A substitute specification.
16. A power of attorney and/or change of address letter.
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13<sup>ter</sup>.2 and 37 C.F.R. 1.821 – 1.825 is transmitted herewith in printed and computer-readable formats. The paper and computer-readable copies of the sequence listing are the same and do not contain new matter. Entry of the sequence listing into the application is requested. The paper copy comprises \_\_\_ additional pages.
18. A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. Other items or information: A copy of the International Search Report.

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The following fees are submitted:				<b>CALCULATIONS</b>
21. <input checked="" type="checkbox"/> a) Basic national fee.....	\$300		\$300	
22. <input checked="" type="checkbox"/> b) Examination fee If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....	\$0.00	\$200		
All other situations.....	\$200.00			
23. <input checked="" type="checkbox"/> c) Search fee If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....	\$0.00	\$400		
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....	\$100.00			
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB .....	\$400.00			
All other situations.....	\$500.00			
<b>TOTAL OF ABOVE CALCULATIONS =</b>				900
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is <b>\$250.00</b> for each additional 50 sheets of paper or fraction thereof.				
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round <b>up</b> to a whole number)	Rate	
39 - 100 =	0/50=		x <b>\$250</b>	\$0.00
Surcharge of <b>\$130</b> for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$0.00
<b>CLAIMS</b>	<b>NUMBER FILED</b>	<b>NUMBER EXTRA</b>	<b>RATE</b>	
Total claims	9 - 20 =	0	x \$50	\$0.00
Independent claims	1 - 3 =	0	x \$200	\$0.00
<b>MULTIPLE DEPENDENT CLAIM(S) (if applicable)</b>			+ \$360	\$0.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$900
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$0.00
<b>SUBTOTAL =</b>				\$900
Processing fee of <b>\$130</b> for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$0.00
<b>TOTAL NATIONAL FEE =</b>				\$900
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40</b> per property. +				\$0.00
<b>TOTAL FEES ENCLOSED =</b>				\$900

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	Amount to be refunded:	\$
	Amount to be charged:	\$

- X      a. Please charge my Deposit Account No. 03-1740 in the amount of \$900 to cover the above fees.
- X      b. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 03-1740. A duplicate copy of this sheet is enclosed.

**NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

**Customer No. 26389**

Dennis K. Shelton  
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Respectfully submitted,

CHRISTENSEN O'CONNOR  
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